

This listing of claims will replace all prior versions, and listings, of claims in the application.

LISTING OF CLAIMS:

Claim 1 (Currently Amended). Axial piston machine with a housing, in which a drive disc and a cylinder block axially arranged in its vicinity are rotatably mounted relative to one another about longitudinal center axes, which extend obliquely to one another by an angle (W1) in an oblique axis plane (E), a plurality of piston bores being arranged in the cylinder block and in which pistons are displaceably guided axially to and fro, of which the piston ends facing the drive disc are supported in a universally pivotal manner on the drive disc, on the front face of the cylinder block facing away from the drive disc a cam disc being arranged which is supported on the housing by a first positioning device with positively cooperating positioning elements and on its side facing the cylinder block comprising a guide element with a guide center axis extending coaxially to the longitudinal center axis of the cylinder block, wherein

[[the]] a single said positioning element being arranged on the cam disc [[is]] offset transversely to the guide center axis in the oblique axis plane (E) and the cam disc is able to be installed in a further position rotated by approximately 180° about the guide center axis, in which the positioning elements also cooperate.

Claim 2 (Currently Amended). Axial piston machine according to claim 1, wherein the first positioning device comprises a pivoting guide ~~curved about the intersection~~ between the longitudinal center axes of the drive disc and the cylinder drum and in which the cam disc can be adjusted in the oblique axis plane (E) by an adjustment device and can be fixed in the respective adjustment position.

Claim 3 (Previously Presented). Axial piston machine according claim1 wherein the positioning element is offset relative to the guide center axis by an offset angle (W2) which is smaller than approximately 10°.

Claim 4 (Previously Presented). Axial piston machine according to claim 3, wherein the offset angle (W2) is approximately 3°.

Claim 5 (Previously Presented). Axial piston machine according to claim 1, wherein the guide element comprises a guide surface rotationally-symmetrically curved about the guide center axis which preferably is a raised portion of the cam disc or planar and in that the front surface of the cylinder block facing the cam disc is adapted to the form of the guide surface.

Claim 6 (Previously Presented). Axial piston machine according to claim 1, wherein the positioning element arranged on the cam disc is a recess in which an adjusting pin is held as a second positioning element.

Claim 7 (Previously Presented). Axial piston machine according to claim 1, wherein the cylinder block is supported by the guide element transversely to its longitudinal center axis on the cam disc.

Claim 8 (Previously Presented). Axial piston machine according to claim 1, wherein the cylinder block is positioned positively against relative displacement in the oblique axis plane (E) by a second positioning device.

Claim 9 (Previously Presented). Axial piston machine according to claim 8, wherein the second positioning device is formed by a positioning pin which is seated with a pin portion in a positioning recess in the cam disc and is seated in a positioning recess of the cylinder block with a positioning pin offset in the oblique axis plane (E) by the offset (a).

Claim 10 (Previously Presented). Axial piston machine according to claim 9, wherein the pin portion seated in the cylinder block is rotatably mounted in the cylinder block by a rotary bearing.

Claim 11 (Previously Presented). Axial piston machine according to claim 9 wherein the pin portion seated in the cam disc forms a positioning element for the first positioning device.

Claim 12 (Previously Presented). Axial piston machine according claim 11, wherein the positioning element is formed by a positioning recess open on the front face.

Claim 13 (Previously Presented). Axial piston machine according to claim 9, wherein between the cam disc and the cylinder block a disc with a hole is arranged for the positioning pin which preferably is large enough so that in the offset position of the cam disc a transitional region of the positioning pin preferably extending obliquely has a free space in the hole.

Claim 14 (Previously Presented). Axial piston machine according to claim 9, wherein the positioning pin comprises an elongate through hole which preferably opens out into the positioning recess.

Claim 15 (Currently Amended). Cam disc for an axial piston machine with a housing in which a drive disc and a cylinder block axially arranged in its vicinity with pistons axially displaceable therein, are rotatably mounted relative to one another about longitudinal center axes, which extend obliquely to one another in an oblique axis plane (E) by an angle (W1),

the cam disc comprising:

(a) a guide element arranged on a first face of the cam disc with a guide center axis which extends transversely to the cam disc ~~and in its center region~~ and in its center region;

(b) a pivoting guide surface on the second face of the cam disc opposing the first face, this pivoting guide surface being curved in the form of a circular arc shape in a convex manner about an intersection located on the guide center axis and parallel to an oblique axis plane (E) containing the guide center axis; and

(c) a single positioning element being arranged on the cam disc for positioning the cam disc on the housing, wherein
the positioning element is offset transversely to the guide center axis in the oblique axis plane (E).

Claim 16 (Previously Presented). Cam disc according to claim 15, wherein
the positioning element is offset relative to the guide center axis by an offset angle (W2)
which is smaller than approximately 10°.

Claim 17 (Previously Presented). Cam disc according to claim 16 wherein
the offset angle (W2) is approximately 3 DEG.

Claim 18 (Currently Amended). Cam disc according to claim 15, wherein
the guide element comprises a guide surface rotationally-symmetrically curved about the
guide center axis ~~and which preferably is a raised portion of the cam disc.~~

Claim 19 (Previously Presented). Cam disc according to claim 15, wherein
the positioning element arranged on the cam disc is a recess in which an adjustment pin
can be held.